

## Relay 5 Click



PID: MIKROE-5675

**Relay 5 Click** is a compact add-on board with general-purpose relays that any host MCU can control. This board features three [J1031C3VDC.15S](#), a high-current single-pole double-throw (SPDT) signal relays controlled by the [PCA9538A](#), a low-voltage 8-bit I/O port expander from [NXP Semiconductors](#). Highly sensitive, the J1031C3VDC.15S offers a low coil power consumption in a small, lightweight package with PC pin mounting. It comes with a dimension of 12.5x7.5x10 millimeters (LxWxH) and a 1C contact arrangement with a coil voltage of 3VDC, providing a maximum switching voltage of 125VAC/60VDC. This Click board™ makes the perfect solution for controlling high-power applications.

Relay 5 Click is supported by a [mikroSDK](#) compliant library, which includes functions that simplify software development. This [Click board™](#) comes as a fully tested product, ready to be used on a system equipped with the [mikroBUS™](#) socket.

Mikroe produces entire development toolchains for all major microcontroller architectures.

Committed to excellency, we are dedicated to helping engineers bring the project development up to speed and achieve outstanding results.



ISO 27001: 2013 certification of informational security management system.  
 ISO 14001: 2015 certification of environmental management system.  
 OHSAS 18001: 2008 certification of occupational health and safety management system.



ISO 9001: 2015 certification of quality management system (QMS).

## Specifications

Type	Relay
Applications	Can be used for controlling high-power applications
On-board modules	J1031C3VDC.15S - high-current single-pole double-throw (SPDT) signal relays from CIT Relay and Switch PCA9538A - low-voltage 8-bit I/O port expander from NXP Semiconductors
Key Features	Three electro-mechanical relays, low power consumption, reliable switching, high current, high sensitivity, SPDT configuration, relay activity indicators, long mechanical life, control over the I/O port expander, and more
Interface	I2C
Compatibility	mikroBUS
Click board size	L (57.15 x 25.4 mm)
Input Voltage	3.3V or 5V

## Resources

[mikroBUS™](#)

[mikroSDK](#)

[Click board™ Catalog](#)

[Click Boards™](#)

## Downloads

[Relay 5 click example on Libstock](#)

[Relay 5 click 2D and 3D files](#)

[J1031C3VDC.15S datasheet](#)

[PCA9538A datasheet](#)

[Relay 5 click schematic](#)

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